Oregon SCIENTIFIC

DUAL MODE DIGITAL CAMERA (DS6300)
USER MANUAL

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INTRODUCTION

Thank you for choosing this camera to pursue your digital adventures. Whether you are creating memories of your friends and family or exploring the great outdoors to get the utmost satisfaction from your digital camera, please take a moment to read through this manual. Its contents will send you on an educational journey into your camera's multiple capabilities.

PACKAGE CONTENTS

- Digital camera
- Neck strap
- Installation CD (including camera drivers, ArcSoft® software and user manual)
- USB cable
- Carry bag
- Video cable
- Quick start guide
- Warranty card
- Registration card
- 2 x AAA batteries

SYSTEM REQUIREMENTS

- Pentium 166 MHz computer with active USB port
- Windows 98SE / ME / 2000 / XP
- CD ROM drive
- Color monitor
- Mouse and keyboard

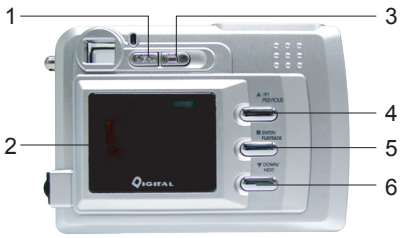
NOTE For transferring still images or for video conferencing, your computer must have a modem and communication software for Internet connection.

PRODUCT OVERVIEW

FRONT VIEW

1. **SHUTTER** button
2. **POWER ON / OFF** button
3. Viewfinder
4. Lens
5. USB and TV port

BACK VIEW



1. **MENU** button
2. LCD display
3. Display button
4. ▲ Up / Previous / Zoom in button
5. ■ **ENTER / PLAYBACK** button
6. ▼ Down / Next / Zoom out button

GETTING STARTED

BATTERY INSTALLATION

1. Open the battery compartment cover.
2. Insert batteries according to the correct polarity (+ and -) as shown on the inside of the battery compartment.
3. Close the battery compartment cover.

TURNING THE POWER ON / OFF

1. To turn the camera on, press **POWER ON / OFF** until a beep is heard and the LCD screen is on. The camera is now ready to take pictures.
2. To turn the camera off, press **POWER ON / OFF** until the camera beeps and the LCD screen is blank.

SLEEP MODE

1. When the camera is turned on but is not being used for 60 seconds, it will automatically go into sleep mode to save battery power.
2. To re-activate the camera from sleep mode, press **POWER ON / OFF** once. The camera is ready to take the next picture.

TAKING PICTURES

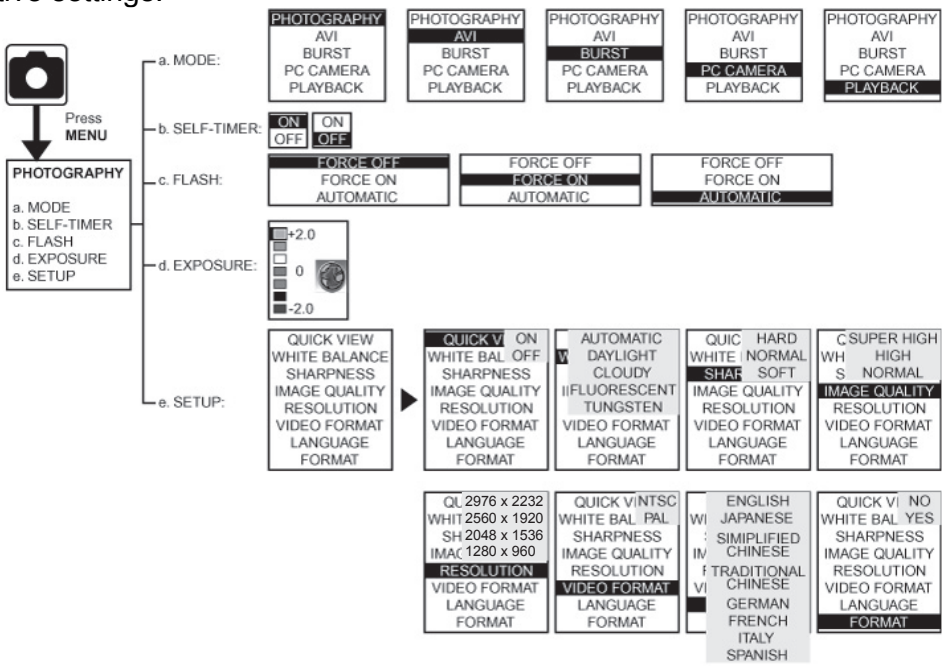
1. Aim the camera and compose your image by looking through the viewfinder.
2. Press **SHUTTER** down. A buzz sound will be heard indicating that a picture has been taken.
3. The LCD screen will show the number of pictures taken.

NOTE The camera stores all pictures in the built-in memory or Secure Digital (SD) memory card.

PREVIEW / PLAYBACK MODE ONSCREEN MENUS

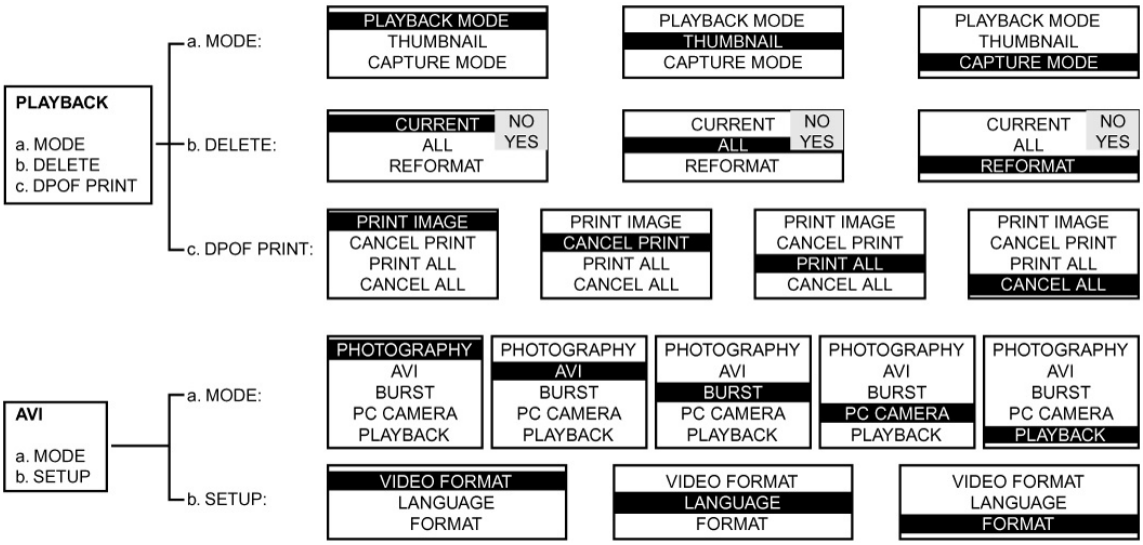
PREVIEW MODE MENU

Follow the flowchart below to access the camera's Preview Mode onscreen menu options (Mode, Self-Timer, Flash, Exposure, Setup) and select / adjust their respective settings.



PLAYBACK MODE MENU

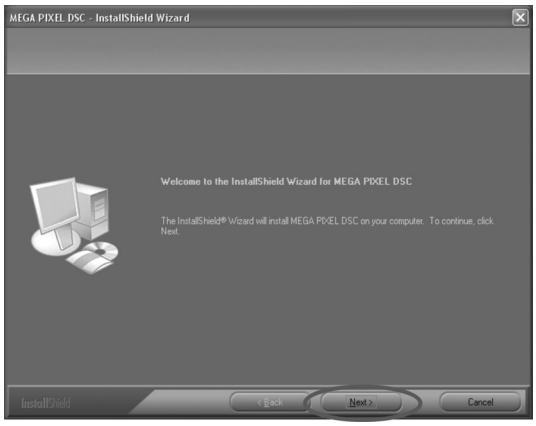
Follow the flowchart below to access the camera's Playback Mode onscreen menu options and select / adjust their respective settings:



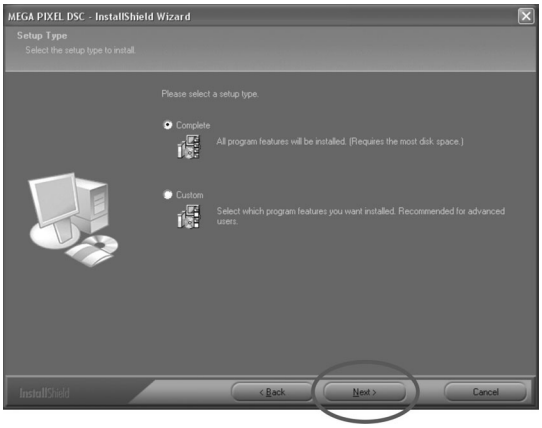
INSTALLING CAMERA DRIVERS AND ARCSOFT PROGRAMS

INSTALLING CAMERA DRIVERS

1. Insert CD-ROM and select "Driver"


MEGA PIXEL DSC - InstallShield Wizard
Welcome to the InstallShield Wizard for MEGA PIXEL DSC
The InstallShield® Wizard will install MEGA PIXEL DSC on your computer. To continue, click Next.
InstallShield
< Back
Next >
Cancel

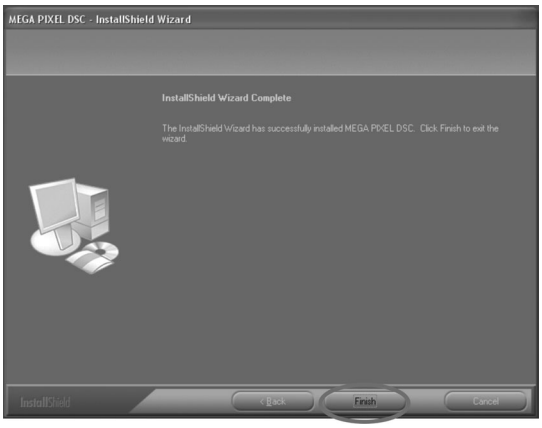
2. Click "Next"


MEGA PIXEL DSC - InstallShield Wizard
Setup Type
Select the setup type to install.
Please select a setup type.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Select which program features you want installed. Recommended for advanced users.
InstallShield
< Back
Next >
Cancel

3. Select Setup type, then click "Next"

MEGA PIXEL DSC - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

4. Click "Install"


MEGA PIXEL DSC - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed MEGA PIXEL DSC. Click Finish to exit the wizard.
InstallShield
< Back
Finish
Cancel

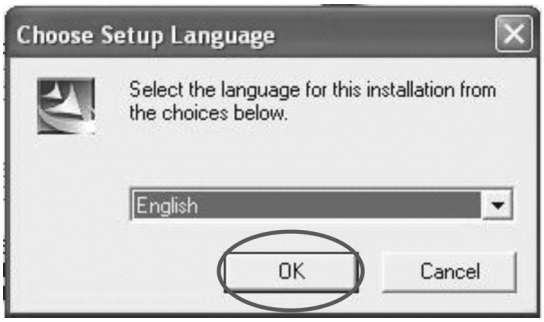
5. Click " Finish"

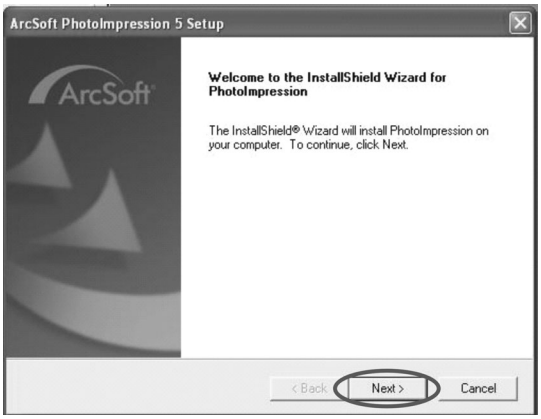
INSTALLING ARCSOFT PHOTOIMPRESSION 5.0

1. Turn your computer on
2. Insert the installation CD into your computer's CD-ROM drive

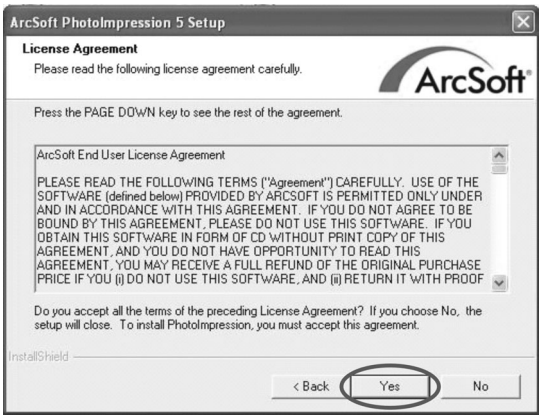
3. The introduction screen will appear automatically

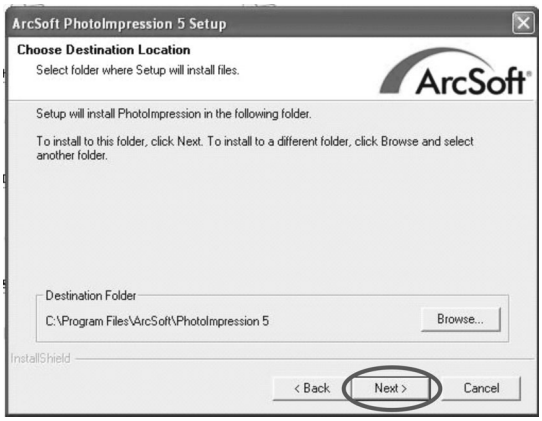
4. Click "ArcSoft PhotoImpression 5.0"

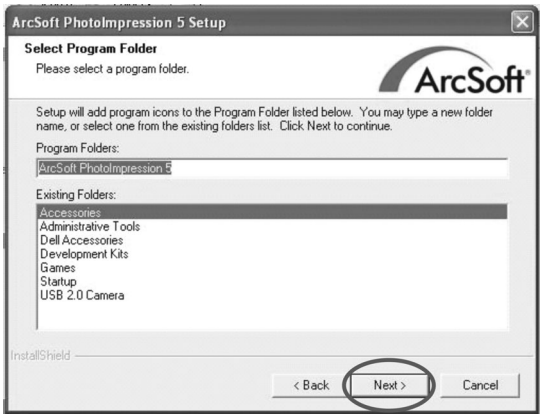


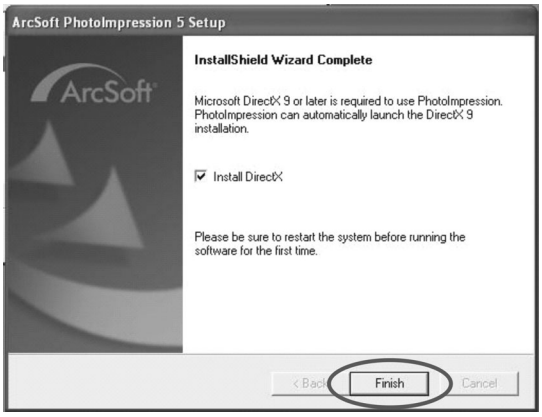

ArcSoft PhotoImpression 5 Setup
ArcSoft
Welcome to the InstallShield Wizard for PhotoImpression
The InstallShield® Wizard will install PhotoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel

5. Follow the on-screen instructions to install PhotoImpression 5.0


ArcSoft PhotoImpression 5 Setup
License Agreement
Please read the following license agreement carefully.
ArcSoft
Press the PAGE DOWN key to see the rest of the agreement.
ArcSoft End User License Agreement
PLEASE READ THE FOLLOWING TERMS ("Agreement") CAREFULLY. USE OF THE SOFTWARE (defined below) PROVIDED BY ARCSOFT IS PERMITTED ONLY UNDER AND IN ACCORDANCE WITH THIS AGREEMENT. IF YOU DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE DO NOT USE THIS SOFTWARE. IF YOU OBTAIN THIS SOFTWARE IN FORM OF CD WITHOUT PRINT COPY OF THIS AGREEMENT, AND YOU DO NOT HAVE OPPORTUNITY TO READ THIS AGREEMENT, YOU MAY RECEIVE A FULL REFUND OF THE ORIGINAL PURCHASE PRICE IF YOU (i) DO NOT USE THIS SOFTWARE, AND (ii) RETURN IT WITH PROOF
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PhotoImpression, you must accept this agreement.
InstallShield
< Back
Yes
No


ArcSoft PhotoImpression 5 Setup
Choose Destination Location
Select folder where Setup will install files.
ArcSoft
Setup will install PhotoImpression in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ArcSoft\PhotoImpression 5
Browse...
InstallShield
< Back
Next >
Cancel




ArcSoft PhotoImpression 5 Setup
ArcSoft
InstallShield Wizard Complete
Microsoft DirectX 9 or later is required to use PhotoImpression. PhotoImpression can automatically launch the DirectX 9 installation.
Install DirectX
Please be sure to restart the system before running the software for the first time.
< Back
Finish
Cancel

6. Re-start your computer

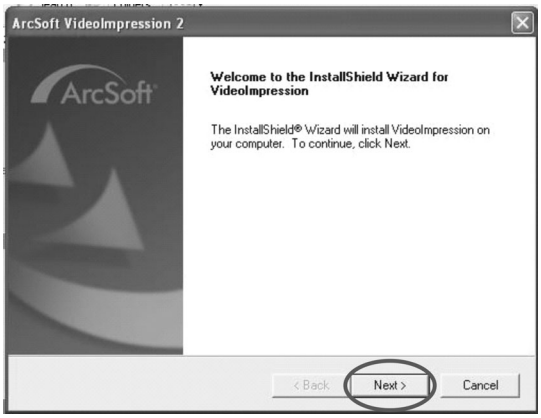
NOTE To find out more about PhotoImpression 5.0 or how to use it, consult the online help by clicking the "?" icon or "help" from the pull-down menu.

INSTALLING ARCSOFT VIDEOIMPRESSION 2.0

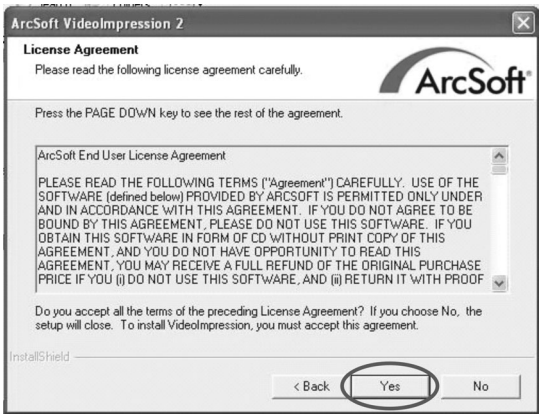
1. Turn your computer on
2. Insert the installation CD into your computer's CD-ROM drive

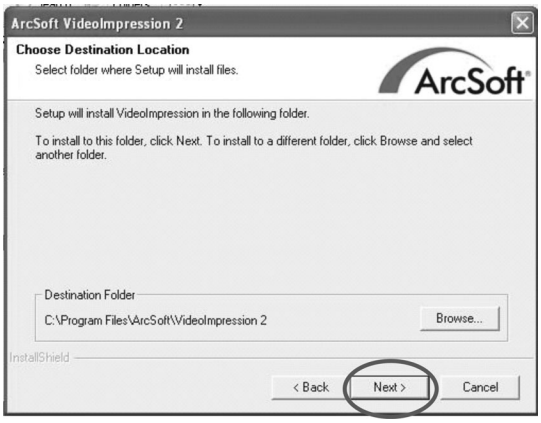
3. The introduction screen will appear automatically

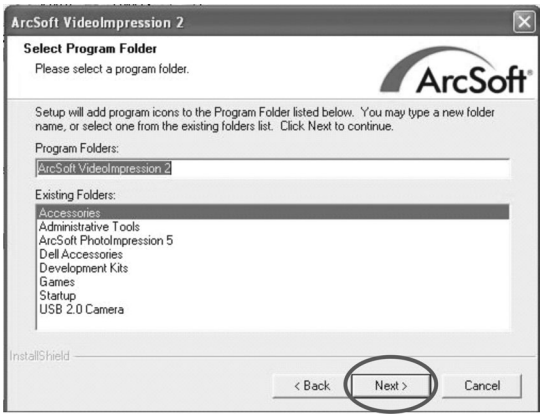
4. Click "ArcSoft VideoImpression 2.0"

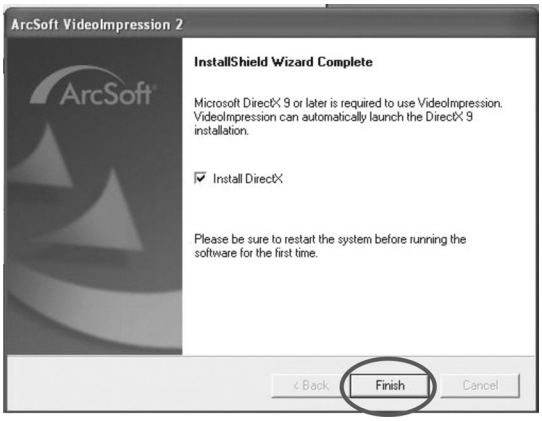

ArcSoft VideoImpression 2
Welcome to the InstallShield Wizard for VideoImpression
The InstallShield® Wizard will install VideoImpression on your computer. To continue, click Next.
< Back
Next >
Cancel

5. Follow the on-screen instructions to install VideoImpression 2.0


ArcSoft VideoImpression 2
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
ArcSoft End User License Agreement
PLEASE READ THE FOLLOWING TERMS ("Agreement") CAREFULLY. USE OF THE SOFTWARE (defined below) PROVIDED BY ARCSOFT IS PERMITTED ONLY UNDER AND IN ACCORDANCE WITH THIS AGREEMENT. IF YOU DO NOT AGREE TO BE BOUND BY THIS AGREEMENT, PLEASE DO NOT USE THIS SOFTWARE. IF YOU OBTAIN THIS SOFTWARE IN FORM OF CD WITHOUT PRINT COPY OF THIS AGREEMENT, AND YOU DO NOT HAVE OPPORTUNITY TO READ THIS AGREEMENT, YOU MAY RECEIVE A FULL REFUND OF THE ORIGINAL PURCHASE PRICE IF YOU (i) DO NOT USE THIS SOFTWARE, AND (ii) RETURN IT WITH PROOF
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install VideoImpression, you must accept this agreement.
InstallShield
< Back
Yes
No


ArcSoft VideoImpression 2
Choose Destination Location
Select folder where Setup will install files.
Setup will install VideoImpression in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\Program Files\ArcSoft\VideoImpression 2
Browse...
InstallShield
< Back
Next >
Cancel




ArcSoft VideoImpression 2
InstallShield Wizard Complete
Microsoft DirectX 9 or later is required to use VideoImpression. VideoImpression can automatically launch the DirectX 9 installation.
Install DirectX
Please be sure to restart the system before running the software for the first time.
< Back
Finish
Cancel

6. Re-start your computer

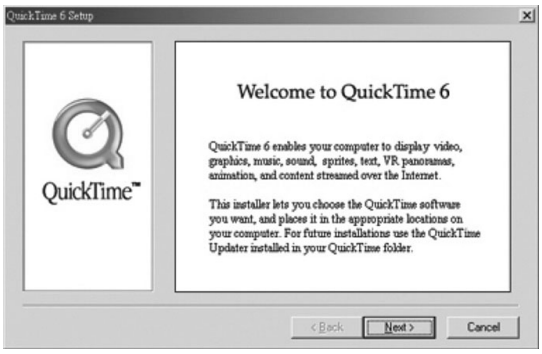
NOTE To find out more about VideoImpression 2.0 or how to use it, consult the online help by clicking the "?" Icon or "help" from the pull-down menu.

INSTALLING QUICKTIME PLAYER 6

1. Turn your computer on
2. Insert the installation CD into your computer's CD-ROM drive

3. The introduction screen will appear automatically

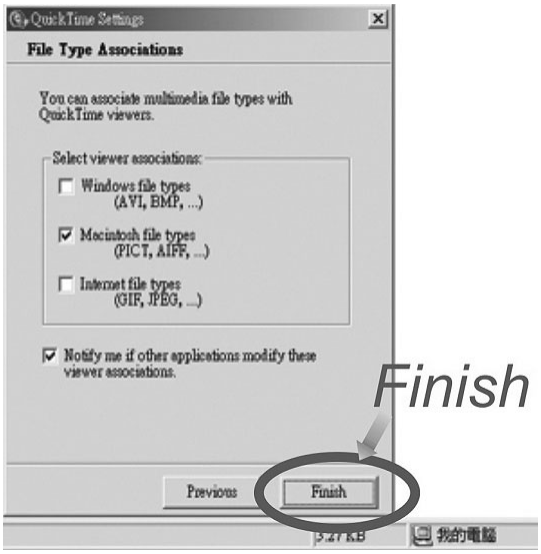
4. Click "QuickTime Player"


QuickTime 6 Setup
Welcome to QuickTime 6
QuickTime 6 enables your computer to display video, graphics, music, sound, sprites, text, VR panoramas, animation, and content streamed over the Internet.
This installer lets you choose the QuickTime software you want, and places it in the appropriate locations on your computer. For future installations use the QuickTime Updater installed in your QuickTime folder.
QuickTime™
< Back
Next >
Cancel

5. Follow the on-screen instructions to install QuickTime Player 6

Software License Agreement
Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.
ENGLISH
Apple Computer, Inc.
Software License Agreement
For QuickTime
PLEASE READ THE TERMS OF THIS SOFTWARE LICENSE AGREEMENT ("LICENSE") WHICH IS EITHER ENCLOSED IN THE SOFTWARE PACKAGE AND/OR PRESENTED ELECTRONICALLY WHEN ACCESSING THE SOFTWARE. BY CLICKING THE "AGREE/ACCEPT" BUTTON, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS LICENSE. IF YOU DO NOT AGREE TO THE TERMS OF THIS LICENSE, CLICK "DISAGREE/DECLINE" AND (IF APPLICABLE) RETURN THE APPLE SOFTWARE TO THE PLACE
QuickTime™
Select language
English
Print
< Back
Agree
Disagree

Choose Destination Location
Setup will install QuickTime 6 in the following directory.
To install to this directory, click Next.
To install to a different directory, click Browse and select another directory.
You can choose not to install QuickTime 6, by clicking Cancel to exit Setup.
QuickTime™
Destination Directory
C:\Program Files\QuickTime
Browse...
Space Required: 9072 K
Space Available: 12251712 K
< Back
Next >
Cancel


QuickTime Settings
File Type Associations
You can associate multimedia file types with QuickTime viewers.
Select viewer associations:
Windows file types (AVI, BMP, ...)
Macintosh file types (PICT, AIFF, ...)
Internet file types (GIF, JPEG, ...)
Notify me if other applications modify these viewer associations.
Finish
Previous
Finish

6. Re-start your computer

NOTE To find out more about QuickTime Player 6 or how to use it, consult the online help by clicking the "?" Icon or "help" from the pull-down menu.

UNINSTALLING APPLICATION PROGRAMS

UNINSTALLING ARCSOFT PHOTOIMPRESSION 5.0

1. Go to **Start > Programs > ArcSoft > PhotoImpression 5.0 > Uninstall**.
2. Follow the on-screen instructions to uninstall software.

UNINSTALLING ARCSOFT VIDEOIMPRESSION 2.0

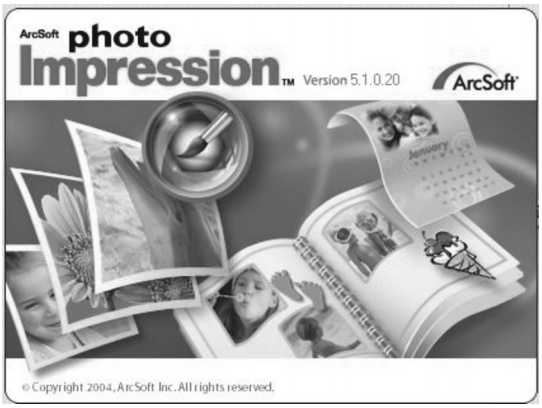
1. Go to **Start > Programs > ArcSoft > VideoImpression 2.0 > Uninstall**.
2. Follow the on-screen instructions to uninstall software.

DOWNLOADING PHOTOS USING PHOTOIMPRESSION 5.0

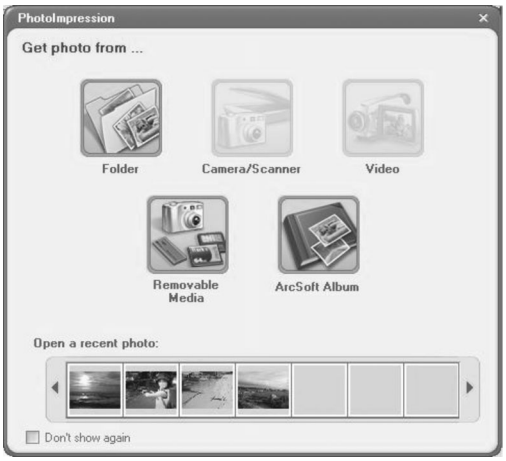
Turn the camera on and connect it to the computer with the supplied USB cable. The camera will be set at "Mass Storage" Mode where its memory can be used as a USB mass storage device and appears as a disk drive in Windows Explorer. Any file can be copied to and from the camera's memory, just like any other file on any other disk drive.

For Windows 98SE users, go to Microsoft's website at www.microsoft.com to download the latest Windows updates supporting mass storage function.

1. Click the "PhotoImpression 5.0" icon on the desktop

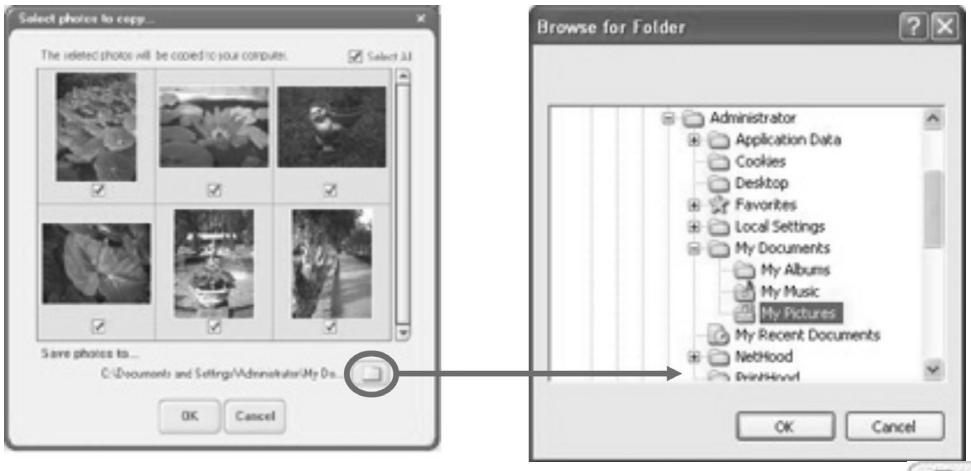


2. The PhotoImpression 5.0 introduction screen will appear



3. Click "Removable Media"

4. Click "OK"



5. Click on the photos which you wish to copy from the camera and click " " to select the folder you wish to save on your computer. (Ex., My Pictures")

6. Click "OK"

VIDEO PLAYBACK USING VIDEOIMPRESSION 2.0

Change the camera to PC Camera Mode: MENU \ Mode \ PC Camera

1. Click the "VideoImpression 2.0" icon on the desktop

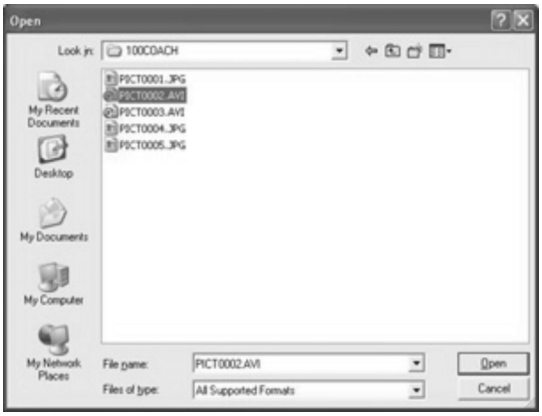
2. The VideoImpression 2.0 introduction screen will appear

ARCSOFT VIDEOIMPRESSION
Welcome to ArcSoft VideoImpression,
a powerful video editing software tool for producing custom movies and slide shows using your own video clips, pictures, and soundtracks.
What would you like to do?
Open an Existing Project
Create a New Video
Create a New Slide Show
Always show this wizard when VideoImpression starts.

3. Click “Create a New Video”

ARCSOFT VIDEOIMPRESSION
How would you like to acquire your media?
Capture From Device
Capture directly from my DV camcorder, video camera, or other device.
Get From Album
Select files from my custom VideoImpression media albums.
Get From File
Select files directly from my computer.
BACK

4. Click “Get From File”



5. Click the “.avi” file to open

6. Select “ ” (Enter Movie Mode) and click “ ” (Play) button. The video will begin playing

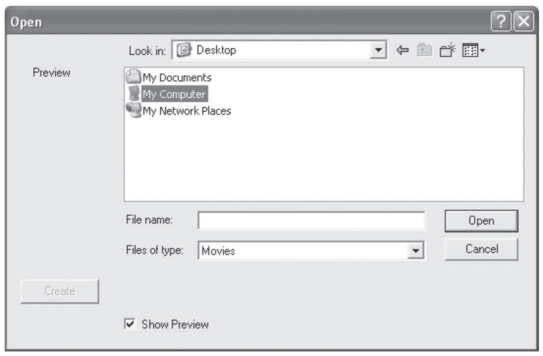
PLAYING MOVIE CLIPS USING QUICKTIME PLAYER 6

Turn the camera on and connect to the computer via the USB cable. The camera will be set to "Mass Storage" Mode.

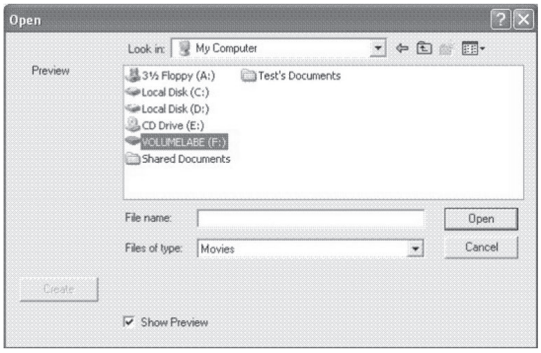
1. Click the "QuickTime Player" icon on desktop

2. The "QuickTime Player" introduction screen will appear

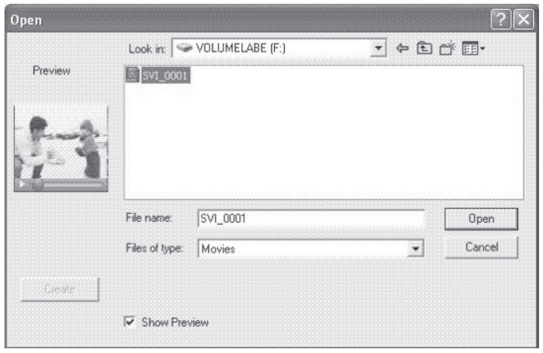
3. Open the "File" menu bar and select "Open Movie in New Player"



4. Select "Desktop" and Click “My Computer"



5. Click "VOLUMELABE (F:)”



6. Click "SVI-0001"

7. Movie will begin playing

SPECIFICATIONS

Image sensor	CMOS
Lens specification	F2.8, sensor area 1/2” f = 8.45mm, viewing angle 53.2°
Operating system	Microsoft Windows 98SE / 2000 / ME / XP
White balance	Auto / Manual (daylight / cloudy / tungsten / fluorescent)
Exposure control	Auto
Frame rate (video mode)	QVGA 320x240 pixels at 27fps
Resolution (still picture mode based on 16MB Flash memory)	2976x2232 pixels 2560x1920 pixels 2048x1536 pixels 1280x960 pixels

PC interface	USB
Fixed lens	1m ~ infinity
Storage	16MB Flash memory + Secure Digital card (card not included)
Compression	JPEG (pictures); MPEG (videos)
Display	1.5” color TFT LCD
Zoom	4X digital zoom
Video output	NTSC or PAL
Power source	AAA 1.5V x 2 batteries (included)
Dimensions	88 (L) x 60 (W) x 20 (H) mm

IMPORTANT NOTICE

STATEMENT OF RESPONSIBILITY

Oregon Scientific assumes no responsibility for any incidental losses (such as the costs of photography or the loss of income from photography) incurred because of faults with this product.

NOTES ON COPYRIGHT

Photos and videos recorded using your digital video camera cannot be used in ways that infringe copyright laws without the consent of the owner, unless intended only for personal use. Note that some restrictions apply to the photographing of stage performances, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory containing photos or data protected under copyright laws is only permissible within the restrictions imposed.

GENERAL WARNINGS

- Do not attempt to disassemble the camera yourself. Always take it to an authorized service facility for repair.
- Do not immerse the device in water or subject the camera to impact or shock. If accidentally dropped in water, quickly pour out the water and dry the camera with sunlight or an air-blower.
- Do not, under any circumstances, touch the exposed electronic circuitry of the device, as there is a danger of electric shocks.
- Take special care when handling a damaged LCD display, as the liquid crystals can be harmful to your health.
- Do not use or store the device in locations that may adversely affect the product such as rain, snow, desert, and magnetic fields.
- Protect the camera from excessive humidity, which may wet the lens and blur any pictures taken.
- Check all major functions when the device is unused for a long period. This is to ensure its full operation. Maintain regular testing and cleaning of your device.
- Do not look through the viewfinder at the sun or other strong lights. This could damage your eyesight.
- Avoid leaving the camera exposed to direct sunlight, as the action of the lens could cause fires.
- Remove the batteries and memory card before storing the camera for long periods of time. Then, keep it in a well-ventilated place in order to prevent molding.
- To store the camera, wrap it in a piece of clean, soft cloth and place it in a cool, dry, place free of any dust or moisture.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras, MP3 players, children's electronic learning products and games, projection clocks, health and fitness gear, weather stations, and digital and conference phones. The website also includes contact information for our customer care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you're in the US and would like to contact the Oregon Scientific customer care department directly, please visit: www2.oregonscientific.com/service/support OR call 1-800-853-8883. For international inquiries, please visit www2.oregonscientific.com/about/international/default.asp.

TRADEMARK INFORMATION

Windows is a trademark of Microsoft Corporation of the United States and other countries. Windows is an abbreviated term referring to the Microsoft Windows Operating System.

ArcSoft®, PhotoImpression® and VideoImpression® are registered trademarks of ArcSoft, Inc.

QuickTime® is a registered trademark of Apple Computer, Inc.

All other trademarks mentioned in this manual or other documentations provided with your Oregon Scientific™ product are trademarks or registered trademarks of their respective holders.

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

We

Name: Oregon Scientific, Inc.
Address: 19861 SW 95th Ave., Tualatin, Oregon 97062 USA
Telephone No.: 1-800-853-8883

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

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